



Technical HL7 Conformance Profile

ENTERPRISE IMAGING

OUTBOUND ORM_O01

Copyright notice:

Copyright 2012 Agfa HealthCare

All rights reserved.

Agfa shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this publication.

Agfa reserves the right to revise this publication and to make changes to its content at any time, without obligation to notify any person or entity of such revisions and changes.

This publication may only be used in connection with the promotion, sales, installation and use of Agfa equipment by Agfa personnel.

Publication date:

1-2019

Publication number:

V1.0 (technical)

Corporate address:

Agfa HealthCare

SIV Connectivity

Septestraat 27

B-2640 Mortsel

Belgium

+32 3 444 7588

<http://www.agfahealthcare.com/>

email : connectivity@agfa.com



Message Profile

About this Conformance

This profile describes the ORM message structure that will be sent to an HL7 receiver. This message can be used with Order Filler systems which does not support MPPS messages.

Remarks:

Segments/fields marked as:

- R (required) must be present in the message
- RE (required or empty) must be present in the message if information is available in the message
- not supported will not be present in the message message, but are not processed. The same counts for fields, components, subcomponents marked as not supported.

Conformance parameters

Message Profile

- HL7 Version: 2.4
- Profile Type: Constraining
- Topics: confsig-Agfa Healthcare-2.4-profile-accAL_accNE-Immediate

Encoding Method

ER7



Interaction 1

Dynamic Definition

- Accept Acknowledgement: AL
- Application Acknowledgement: NE
- Acknowledgement Mode: Immediate

Static Definition

- Message Type: ORM
- Trigger Event: O01
- Message Structure: ORM_O01
- Topics: confsig-Agfa Healthcare-2.4-static-ORM-O01-null-ORM_O01-V1.0-DRAFT-Sender

Message structure

MSH PID [PV1] { ORC { OBR [NTE] [ZDS] {[DG1]} [[OBX]] } }

MSH - Message Header

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Field Separator	R	1..1	ST		
2	Encoding Characters	R	1..1	ST		
3	Sending Application	R	1..1	HD		
3.1	namespace ID	R	1..1	IS		e.g. AGILITY
4	Sending Facility	R	1..1	HD		
4.1	namespace ID	R	1..1	IS		e.g. AGILITY-RIS
4.2	universal ID	O	0..	ST		
4.3	universal ID type	O	0..	ID	HL70301	
5	Receiving Application	R	1..1	HD		
5.1	namespace ID	R	1..1	IS		
6	Receiving Facility	R	1..1	HD		
6.1	namespace ID	R	1..1	IS		
6.3	universal ID type	O	0..	ID	HL70301	
7	Date/Time Of Message	R	1..1	TS		
7.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
9	Message Type	R	1..1	CM_MSG	HL70076	
9.1	message type	R	1..1	ID		e.g. ORM
9.2	trigger event	R	1..1	ID		e.g. O01
9.3	message structure	O	0..	ID		e.g. ORM_O01
10	Message Control ID	R	1..1	ST		
11	Processing ID	R	1..1	PT		
11.1	processing ID	R	1..1	ID	HL70103	e.g. P



Seq.	Name	Opt.	Card.	Type	Table	Contents
12	Version ID	R	1..1	VID	HL70104	
12.1	version ID	R	1..1	ID	HL70104	e.g. 2 . 4

1. Field Separator

2. Encoding Characters

3. Sending Application

3.1. namespace ID

AGFA_PACS

4. Sending Facility

4.1. namespace ID

AGFA

5. Receiving Application

5.1. namespace ID

Application defined in External device to which the message is being send.

6. Receiving Facility

6.1. namespace ID

Facility defined in External device to which the message is being send.

7. Date/Time Of Message

7.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used

9. Message Type

9.1. message type

ORM

9.2. trigger event

O01

9.3. message structure

ORM_O01



10. Message Control ID

11. Processing ID

12. Version ID

HL7 version 2.4 will be generated

Segment group: PATIENT

- Usage: Required
- Cardinality:1..1

PID - Patient identification

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
3	Patient Identifier List	R	1..*	CX		
3.1	ID	R	1..1	ST		
3.4	assigning authority	R	1..1	HD		
3.4.1	namespace ID	R	1..1	IS	HL70363	
3.5	identifier type code (ID)	R	1..1	ID	HL70203	
5	Patient Name	R	1..3	XPN		
5.1	family name	R	1..1	FN		
5.1.1	surname	R	1..1	ST		
5.2	given name	R	1..1	ST		
5.3	second and further given names or initials thereof	O	0..	ST		
5.4	suffix (e.g., JR or III)	O	0..	ST		
5.5	prefix (e.g., DR)	O	0..	ST		
5.7	name type code	O	0..	ID	HL70200	
5.8	Name Representation code	O	0..	ID	HL70465	
5.11	name assembly order	O	0..	ID	HL70444	
7	Date/Time Of Birth	O	0..1	TS		
7.1	Date/Time	R	1..1	NM		e.g. 20040328
8	Administrative Sex	R	1..1	IS	HL70001	
11	Patient Address	O	0..*	XAD		
11.1	street address (SAD)	O	0..	SAD		
11.1.1	street or mailing address	O	0..	ST		
11.1.2	street name	O	0..	ST		
11.1.3	dwelling number	O	0..	ST		
11.2	other designation	O	0..	ST		



Seq.	Name	Opt.	Card.	Type	Table	Contents
11.3	city	O	0..	ST		
11.4	state or province	O	0..	ST		
11.5	zip or postal code	O	0..	ST		
11.6	country	O	0..	ID		
11.7	address type	O	0..	ID	HL70190	
11.8	other geographic designation	O	0..	ST		
11.9	county/parish code	O	0..	IS		
13	Phone Number - Home	O	0..*	XTN		
13.1	Telephone Number	C	0..	TN		
13.2	telecommunication use code	R	1..1	ID	HL70201	
13.3	telecommunication equipment type (ID)	R	1..1	ID	HL70202	
13.4	Email address	O	0..	ST		
14	Phone Number - Business	O	0..*	XTN		
14.1	Telephone Number	C	0..	TN		
14.2	telecommunication use code	R	1..1	ID	HL70201	
14.3	telecommunication equipment type (ID)	R	1..1	ID	HL70202	
14.4	Email address	O	0..	ST		
18	Patient Account Number	O	0..1	CX		
18.1	ID	R	1..1	ST		
18.4	assigning authority	O	0..	HD		
18.4.1	namespace ID	R	1..1	IS	HL70363	
18.5	identifier type code (ID)	R	1..1	ID	HL70203	
19	SSN Number - Patient	O	0..1	ST		
23	Birth Place	O	0..1	ST		

3. Patient Identifier List

3.1. ID

Identification code for the patient.

3.4.1. namespace ID

assigning authority that issued the patient id.

3.5. identifier type code (ID)

Supported values:

- PI = Patient Identifier,
- SS = Social Security number

5. Patient Name**5.1.1. surname**

Patient's surname.

5.2. given name

Patient's given name

5.3. second and further given names or initials thereof

Patient's middle name.

5.4. suffix (e.g., JR or III)

Patient's name suffix.

5.5. prefix (e.g., DR)

Patient's name prefix

5.7. name type code

Values used:

- Empty when fields specify patient name.
- M when fields specify patient maiden name

5.8. Name Representation code

Values used:

- A = Alphabetic name specified
- I = Ideographic name specified
- P = Phonetic name specified

7. Date/Time Of Birth**7.1. Date/Time**

YYYYMMDD

8. Administrative Sex

Values used :

- M = Male
- F = Female
- U = Unknown

11. Patient Address**11.1.2. street name**

Name of the street.

11.1.3. dwelling number

House number

**11.2. other designation**

Other designation (eg First floor)

11.3. city

Municipality code of the city.

If no city specified in patient's address in the db, UKW (Unknown) will be used

11.4. state or province

Is always the highest region level, but there can be a lower subdividing region level for a state or province.

11.5. zip or postal code

Zip or postal code.

11.6. country

A 3-digit code defining the county.

11.7. address type

Values used:

- O (office)
- H (home address)

13. Phone Number - Home**13.1. Telephone Number**

In case of telephone number/fax number/cellular number, the phone number is put in this field

13.2. telecommunication use code

Values used:

- PRN = Primary Residence Number
- WPN = Work Number
- NET = Network (email) Address

13.3. telecommunication equipment type (ID)

Values used:

- PH = Telephone
- FX = Fax
- CP = Cellular Phone
- Internet = Internet Address

13.4. Email address

In case of Network Email Address, this field will hold the value.

14. Phone Number - Business**14.1. Telephone Number**

In case of telephone number/fax number/cellular number, the phone number is put in this field



14.2. telecommunication use code

Values used:

- PRN = Primary Residence Number
- WPN = Work Number
- NET = Network (email) Address

14.3. telecommunication equipment type (ID)

Values used:

- PH = Telephone
- FX = Fax
- CP = Cellular Phone
- Internet = Internet Address

14.4. Email address

In case of Network Email Address, this field will hold the value.

18. Patient Account Number

18.1. ID

Account number of the patient.

18.4.1. namespace ID

Assigning authority that issued the account number.

18.5. identifier type code (ID)

AN

19. SSN Number - Patient

Social security number of the patient.

23. Birth Place

Segment group: PATIENT.PATIENT_VISIT

- Usage: Required but may be empty
- Cardinality:0..1

PV1 - Patient visit

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - PV1	O	0..1	SI		
2	Patient Class	R	1..1	IS	HL70004	
3	Assigned Patient Location	O	0..1	PL		
3.1	point of care	O	0..	IS	HL70302	
3.2	room	O	0..	IS	HL70303	

Seq.	Name	Opt.	Card.	Type	Table	Contents
3.3	bed	O	0..	IS	HL70304	
3.4	facility (HD)	O	0..	HD		
3.4.1	namespace ID	O	0..	IS	HL70363	
4	Admission Type	O	0..1	IS	HL70007	
7	Attending Doctor	O	0..1	XCN	HL70010	
7.1	ID number (ST)	O	0..	ST		
7.2	family name	O	0..	FN		
7.2.1	surname	O	0..	ST		
7.2.2	own surname prefix	O	0..	ST		
7.2.3	own surname	O	0..	ST		
7.2.4	surname prefix from partner/spouse	O	0..	ST		
7.2.5	surname from partner/spouse	O	0..	HD		
7.3	given name	O	0..	NM		
7.4	second and further given names or initials thereof	O	0..	ST		
7.5	suffix (e.g., JR or III)	O	0..	ST		
7.6	prefix (e.g., DR)	O	0..	ST		
7.9	assigning authority	O	0..	HD		
7.9.1	namespace ID	O	0..	IS	HL70363	
7.9.2	universal ID	O	0..	ST		
7.9.3	universal ID type	O	0..	ID	HL70301	
8	Referring Doctor	O	0..1	XCN	HL70010	
8.1	ID number (ST)	O	0..	ST		
8.2	family name	O	0..	FN		
8.2.1	surname	O	0..	ST		
8.2.2	own surname prefix	O	0..	ST		
8.2.3	own surname	O	0..	ST		
8.2.4	surname prefix from partner/spouse	O	0..	ST		
8.2.5	surname from partner/spouse	O	0..	ST		
8.3	given name	O	0..	ST		
8.4	second and further given names or initials thereof	O	0..	ST		
8.5	suffix (e.g., JR or III)	O	0..	ST		
8.6	prefix (e.g., DR)	O	0..	ST		
8.9	assigning authority	O	0..	HD		
8.9.1	namespace ID	O	0..	IS	HL70363	
8.9.2	universal ID	O	0..	ST		
8.9.3	universal ID type	O	0..	ID	HL70301	



Seq.	Name	Opt.	Card.	Type	Table	Contents
10	Hospital Service	O	0..1	IS	HL70069	
11	Temporary Location	O	0..1	PL		
11.1	point of care	O	0..	TS	HL70302	
11.3	bed	O	0..	IS	HL70304	
11.4	facility (HD)	O	0..	TS		
11.4.1	namespace ID	O	0..	IS	HL70363	
14	Admit Source	O	0..1	IS	HL70023	
15	Ambulatory Status	O	0..1	IS	HL70009	
16	VIP Indicator	O	0..1	IS	HL70099	
17	Admitting Doctor	O	0..1	XCN	HL70010	
17.1	ID number (ST)	O	0..	ST		
17.2	family name	O	0..	FN		
17.2.1	surname	O	0..	ST		
17.2.2	own surname prefix	O	0..	ST		
17.2.3	own surname	O	0..	ST		
17.2.4	surname prefix from partner/spouse	O	0..	ST		
17.2.5	surname from partner/spouse	O	0..	ST		
17.3	given name	O	0..	ST		
17.4	second and further given names or initials thereof	O	0..	ST		
17.5	suffix (e.g., JR or III)	O	0..	ST		
17.6	prefix (e.g., DR)	O	0..	ST		
17.9	assigning authority	O	0..	HD		
17.9.1	namespace ID	O	0..	IS	HL70363	
17.9.2	universal ID	O	0..	ST		
17.9.3	universal ID type	O	0..	ID	HL70301	
18	Patient Type	O	0..1	IS	HL70018	
19	Visit Number	O	0..1	CX		
19.1	ID	R	1..1	ST		
19.4	assigning authority	O	0..	HD		
19.4.1	namespace ID	O	0..	IS	HL70363	
19.4.2	universal ID	O	0..	ST		
19.4.3	universal ID type	O	0..	ID	HL70301	
44	Admit Date/Time	O	0..1	NM		
44.1	Date/Time	O	0..	NM		e.g. 20040328134602.1234+0600
45	Discharge Date/Time	O	0..1	TS		
45.1	Date/Time	O	0..	NM		e.g. 20040328134602.1234+0600



1. Set ID - PV1

2. Patient Class

3. Assigned Patient Location

4. Admission Type

7. Attending Doctor

8. Referring Doctor

10. Hospital Service

11. Temporary Location

14. Admit Source

15. Ambulatory Status

16. VIP Indicator

17. Admitting Doctor

18. Patient Type

19. Visit Number

44.1. Date/Time

YYYYMMDD[HHMM[SS[.SSSS]]][+- ZZZZ]

45. Discharge Date/Time

45.1. Date/Time

YYYYMMDD[HHMM[SS]] [+ -ZZZZ]

If timezone information is present it overrules the timezone information if available in MSH-7

End of segment group PATIENT.PATIENT_VISIT

End of segment group PATIENT

Segment group: ORDER

- Usage: Required

- Cardinality:1..*



ORC

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Order Control	R	1..1	ID	HL70119	
2	Placer Order Number	R	1..1	EI		
2.1	entity identifier	R	1..1	ST		
2.2	namespace ID	O	0..	IS	HL70363	
3	Filler Order Number	R	1..1	EI		
3.1	entity identifier	R	1..1	ST		
3.2	namespace ID	O	0..	IS	HL70363	
5	Order Status	O	0..1	ID	HL70038	
7	Quantity/Timing	O	0..*	TQ		
7.4	start date/time	O	0..	TS		
7.4.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
7.5	end date/time	O	0..	TS		
7.5.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
7.6	priority	O	0..	ST		
10	Entered By	O	0..1	XCN		
10.1	ID number (ST)	O	0..	ST		
10.2	family name	O	0..	FN		
10.2.1	surname	O	0..	ST		
10.2.2	own surname prefix	O	0..	ST		
10.2.3	own surname	O	0..	ST		
10.3	given name	O	0..	ST		
10.4	second and further given names or initials thereof	O	0..	ST		
10.5	suffix (e.g., JR or III)	O	0..	ST		
10.6	prefix (e.g., DR)	O	0..	ST		
10.9	assigning authority	O	0..	HD		
10.9.1	namespace ID	O	0..	IS	HL70363	
12	Ordering Provider	O	0..1	XCN		
12.1	ID number (ST)	R	1..1	ST		
12.2	family name	R	1..1	FN		
12.2.1	surname	R	1..1	ST		
12.3	given name	R	1..1	ST		
12.9	assigning authority	O	0..	HD		
12.9.1	namespace ID	O	0..	IS	HL70363	
17	Entering Organization	O	0..1	CE		



Seq.	Name	Opt.	Card.	Type	Table	Contents
17.1	identifier	R	1..1	ST		
17.2	text	O	0..	ST		
17.3	name of coding system	O	0..	IS	HL70396	
21	Ordering Facility Name	O	0..*	XON		
21.1	organization name	O	0..	ST		
21.3	ID number (NM)	R	1..1	NM		
21.6	assigning authority	O	0..	HD		
21.6.1	namespace ID	R	1..1	IS	HL70363	
25	Order Status Modifier	R	1..1	CWE		
25.1	identifier (ST)	R	1..1	ST		
25.2	text	O	0..	ST		
25.3	name of coding system	O	0..	IS	HL70396	
25.4	alternate identifier	O	0..	ST		
25.5	alternate text	O	0..	ST		
25.6	name of alternate coding system	O	0..	IS	HL70396	
25.7	coding system version ID	O	0..	ST		
25.8	alternate coding system version ID	O	0..	ST		
25.9	original text	O	0..	ST		

1. Order Control

Values used:

- SC (Status changed)
- OC (Order canceled)

2. Placer Order Number

2.1. entity identifier

Placer order number

2.2. namespace ID

Assigning authority issuing the identifier.

3. Filler Order Number

3.1. entity identifier

Filler order number

3.2. namespace ID

Assigning authority issuing the identifier.

5. Order Status

Values used:

- IP (In Progress)



- CM (Completed)
- DC (Discontinued)
- CA (Cancelled)
- SC (In Progress,Scheduled)

7. Quantity/Timing

Identical to the Quantity/Timing in OBR-Segment

7.4.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+/-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

7.5.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+/-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

7.6. priority

For existing sites (migration)

- STAT priority code: S
- Urgent priority codes: A
- High Priority codes: A
- Normal Priority codes: R
- Low priority Code: PRN

For new installations

- STAT priority code: S
- Urgent priority codes: A
- High Priority code: C
- Normal Priority codes: P
- Routine Priority Code: R

These values are configurable

10. Entered By

10.1. ID number (ST)

Code of the requesting physician

12. Ordering Provider

12.1. ID number (ST)

Code of physician providing the order.

17. Entering Organization

17.1. identifier

Identifier of the requesting department

**17.2. text**

Name of Requesting department.

17.3. name of coding system

Assigning authority of the identifier.

21. Ordering Facility Name**21.1. organization name**

Name of requesting facility.

21.3. ID number (NM)

Identifier of the requesting facility

21.6. assigning authority

If empty, the default assigning authority will be taken.

25. Order Status Modifier**25.1. identifier (ST)**

Supported:

- IMAGES_AVAILABLE
- IN_PROGRESS
- ORDERED
- SCHEDULED
- PATIENT_ARRIVED
- COMPLETED
- CANCELLED
- DISCONTINUED

Segment group: ORDER.ORDER_DETAIL

- Usage: Required
- Cardinality:1..*

OBR

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - OBR	R	1..1	SI		
2	Placer Order Number	R	1..1	EI		
2.1	entity identifier	R	1..1	ST		
2.2	namespace ID	O	0..	IS	HL70363	
3	Filler Order Number	R	1..1	EI		
3.1	entity identifier	R	1..1	ST		



Seq.	Name	Opt.	Card.	Type	Table	Contents
3.2	namespace ID	O	0..	IS	HL70363	
4	Universal Service Identifier	R	1..1	CE		
4.1	identifier	R	1..1	ST		
4.2	text	O	0..	ST		
4.3	name of coding system	O	0..	IS	HL70396	
4.4	alternate identifier	R	1..1	ST		
4.5	alternate text	O	0..	ST		
4.6	name of alternate coding system	O	0..	IS	HL70396	
5	Priority	O	0..1	ID		
6	Requested Date/Time	O	0..1	TS		
6.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
7	Observation Date/Time #	O	0..1	TS		
7.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
8	Observation End Date/Time #	O	0..1	TS		
8.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
13	Relevant Clinical Info.	O	0..1	ST		
16	Ordering Provider	O	0..1	XCN		
16.1	ID number (ST)	R	1..1	ST		
16.2	family name	O	0..	FN		
16.2.1	surname	R	1..1	ST		
16.3	given name	R	1..1	ST		
16.9	assigning authority	O	0..	HD		
16.9.1	namespace ID	O	0..	IS	HL70363	
18	Placer Field 1	R	1..1	ST		
19	Placer Field 2	R	1..1	ST		
20	Filler Field 1 +	R	1..1	ST		
22	Results Rpt/Status Chng - Date/Time +	O	0..1	TS		
22.1	Date/Time	O	0..	NM		e.g. 20040328134602+0600
24	Diagnostic Serv Sect ID	O	0..1	ID	HL70074	
25	Result Status +	O	0..1	ID	HL70123	
27	Quantity/Timing	O	0..*	TQ		
27.3	duration	O	0..	ST		
27.4	start date/time	O	0..	TS		
27.4.1	Date/Time	R	1..1	NM		e.g. 20040328134602
27.5	end date/time	O	0..	TS		
27.5.1	Date/Time	R	1..1	NM		e.g. 20040328134602
27.6	priority	O	0..	ST		

Seq.	Name	Opt.	Card.	Type	Table	Contents
31	Reason for Study	O	0..2	CE		
31.1	identifier	O	0..	ST		
31.2	text	O	0..	ST		
32	Principal Result Interpreter +	O	0..1	CM_NDL		
32.1	name	O	0..	CN		
32.1.1	ID number (ST)	O	0..	ST		
32.1.2	family name	O	0..	FN		
32.1.3	given name	O	0..	ST		

1. Set ID - OBR

2. Placer Order Number

Identical to ORC-2

2.1. entity identifier

Placer order number.

2.2. namespace ID

Assigning authority issuing the identifier.

3. Filler Order Number

Identical to ORC-3

3.1. entity identifier

Order filler number.

3.2. namespace ID

Assigning authority issuing the identifier.

4. Universal Service Identifier

4.1. identifier

Code of the requested procedure definition.

4.2. text

Description of the requested procedure definition

4.3. name of coding system

Code of performing department.

4.4. alternate identifier

Code of scheduled procedure step definition

4.5. alternate text

Description of the procedure step definition



5. Priority

Values :

- High priority code: A (ASAP)
- Medium Priority Code: R (Routine)
- Low priority Code: PRN (As needed)

6. Requested Date/Time

6.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

7. Observation Date/Time

7.1. Date/Time

Procedure start date/time.

This can be one of the following:

- the date/time of the first started technologist task
- the date/time of the first performed procedure step
- the date/time of the last completed or cancelled technologist task
- In case ORM triggered by MPPS, contains earliest PPS start date/time
- empty if procedure in progress has been undone

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

8. Observation End Date/Time

8.1. Date/Time

Procedure end date/time.

This can be one of the following: - date/time of the last completed or cancelled technologist task

- latest PPS end date/time in case the orm is triggered by MPPS

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

13. Relevant Clinical Info.

Clinical information

16. Ordering Provider

16.1. ID number (ST)

Code of physician providing the order.

16.2.1. surname

Surname of the physician

16.3. given name

Given name of the physician.

**16.9.1. namespace ID**

Assigning authority issuing the identifier.

18. Placer Field 1

Accession number

19. Placer Field 2

Requested procedure ID

20. Filler Field 1 +

Scheduled Procedure Step ID

22. Results Rpt/Status Chng - Date/Time +**22.1. Date/Time**

Date/time when a modification to a requested procedure or service request is made.

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

24. Diagnostic Serv Sect ID

Modality type for requested procedure.

Empty when no modality type is present for the requested procedure.

25. Result Status +

Values:

If report available:

- P (Preliminary report available)
- F (Final report available),
- C (corrected report available)

Else

- O (Procedure Ordered)
- S (Procedure Scheduled, Patient Arrived, Procedure In Progress, Procedure Completed),
- X (Procedure Cancelled)

27. Quantity/Timing

Identical to ORC-7

27.4.1. Date/Time

YYYYMMDDHHMMSS

27.5.1. Date/Time

YYYYMMDDHHMMSS

27.6. priority

Priority code of requested procedure (configured in EI)

31. Reason for Study**32. Principal Result Interpreter +**
Reading physician**32.1.1. ID number (ST)**
Code of the physician**32.1.3. given name**
Given name of physician**NTE - Notes and Comments**

- Usage: Required but may be empty
- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
3	Comment	O	0..*	FT		
4	Comment Type	O	0..1	CE	HL70364	
4.1	identifier	R	1..1	ST		

3. Comment

Procedural comment

4. Comment Type**4.1. identifier**

Value :

- PC

ZDS

- Usage: Required but may be empty
- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Reference Pointer	R	1..1	ST		
2	Application ID	O	0..1	ST		e.g. AGILITY
3	Type of Data	O	0..1	ST		e.g. Application
4	Subtype	O	0..1	ST		e.g. DICOM

1. Reference Pointer

the EI Study instance UID
<DataType=UID>

2. Application ID

fixed value == AGILITY



3. Type of Data

fixed value == Application

4. Subtype

fixed value == DICOM

DG1 - Diagnosis

- Usage: Required but may be empty

- Cardinality:0..*

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - DG1	R	1..1	SI		
2	Diagnosis Coding Method	O	0..1	ID	HL70053	
3	Diagnosis Code - DG1	R	1..1	CE	HL70051	
3.1	identifier	R	1..1	ST		
3.2	text	R	1..1	ST		
3.3	name of coding system	R	1..1	IS	HL70396	
3.4	alternate identifier	R	1..1	ST		
3.5	alternate text	O	0..	ST		
3.6	name of alternate coding system	O	0..	IS	HL70396	
5	Diagnosis Date/Time	R	1..1	TS		
5.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
6	Diagnosis Type	R	1..1	IS	HL70052	
15	Diagnosis Priority	O	0..1	ID	HL70359	
16	Diagnosing Clinician	O	0..*	XCN		
16.1	ID number (ST)	O	0..	ST		
16.2	family name	O	0..	FN		
16.2.1	surname	O	0..	ST		
16.2.2	own surname prefix	O	0..	ST		
16.2.3	own surname	O	0..	ST		
16.2.4	surname prefix from partner/spouse	O	0..	ST		
16.2.5	surname from partner/spouse	O	0..	ST		
16.3	given name	O	0..	ST		
16.4	second and further given names or initials thereof	O	0..	ST		
16.5	suffix (e.g., JR or III)	O	0..	ST		
16.6	prefix (e.g., DR)	O	0..	ST		
16.7	degree (e.g., MD)	O	0..	IS	HL70360	
16.8	source table	O	0..	IS	HL70297	
16.9	assigning authority	O	0..	HD		



Seq.	Name	Opt.	Card.	Type	Table	Contents
16.9.1	namespace ID	O	0..	IS	HL70363	
16.9.2	universal ID	O	0..	ST		
16.9.3	universal ID type	O	0..	ID	HL70301	
16.10	name type code	O	0..	ID	HL70200	
16.11	identifier check digit	O	0..	ST		
16.12	code identifying the check digit scheme employed	O	0..	ID	HL70061	
16.13	identifier type code (IS)	O	0..	IS		
16.14	assigning facility	O	0..	HD		
16.14.1	namespace ID	O	0..	IS	HL70363	
16.14.2	universal ID	O	0..	ST		
16.14.3	universal ID type	O	0..	ID	HL70301	
16.15	Name Representation code	O	0..	ID	HL70465	
16.16	name context	O	0..	CE	HL70448	
16.16.1	identifier	O	0..	ST		
16.16.2	text	O	0..	ST		
16.16.3	name of coding system	O	0..	IS	HL70396	
16.16.4	alternate identifier	O	0..	ST		
16.16.5	alternate text	O	0..	ST		
16.16.6	name of alternate coding system	O	0..	IS	HL70396	
16.17	name validity range	O	0..	DR		
16.17.1	range start date/time	O	0..	TS		
16.17.2	range end date/time	O	0..	TS		
16.18	name assembly order	O	0..	ID	HL70444	
17	Diagnosis Classification	O	0..1	IS	HL70228	
18	Confidential Indicator	O	0..1	ID	HL70136	
19	Attestation Date/Time	O	0..1	TS		

1. Set ID - DG1

2. Diagnosis Coding Method

3. Diagnosis Code - DG1

5. Diagnosis Date/Time

5.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+ -ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used



6. Diagnosis Type

15. Diagnosis Priority

16. Diagnosing Clinician

17. Diagnosis Classification

18. Confidential Indicator

19. Attestation Date/Time

Segment group: ORDER.ORDER.ORDER DETAIL.OBSERVATION

- Usage: Required but may be empty
- Cardinality:0..1

OBX - Observation/Result

- Usage: Required but may be empty
- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Set ID - OBX	R	1..1	SI		
2	Value Type	R	1..1	ID	HL70125	e.g. RP
3	Observation Identifier	R	1..1	CE		
3.1	identifier	R	1..1	ST		e.g. ATTACHMENT_CODE
3.2	text	R	1..1	ST		e.g. Attachment name
3.4	alternate identifier	C	0..	ST		
3.5	alternate text	R	1..1	ST		
4	Observation Sub-Id	R	1..1	ST		
5	Observation Value	R	1..1	ED		
11	Observation Result Status	R	1..1	ID	HL70085	e.g. 0

1. Set ID - OBX

2. Value Type

Supported value(s)

- RP for PDF/Image type attachments
- ED for encapsulated data type attachment
- TX for text type attachments/ for Patient arrived information:

3. Observation Identifier

The OBX contents can describe

- a attachment definition
- patient arrived status

Values of the fields depend on the contents the segment describes.

Remark

- combination(OBX-2 = TX, OBX-3 = PATIENT_ARRIVED, OBX-5 = YES) indicates the patient's arrived status is true
- combination (OBX-2 = TX, OBX-3 = PATIENT_ARRIVED, OBX-5 = NO) indicates the patient's arrived status is false.

3.1. identifier

Segment for attachment description :

- Attachement code

Segment for patient arrived information

- PATIENT_ARRIVED

3.2. text

Segment for attachment description :

- Attachement name

Segment for patient arrived information

- empty

3.4. alternate identifier

Segment for attachment description :

- in case of study/PPS level attachment this fields holds the accession number of the study the attachment refers to
- in case of order/patient/report level attachment this field is empty

Segment for patient arrived information

- empty

Condition Predicate:

study or performed procedure step level attachment

3.5. alternate text

Segment for attachment description :

- ACC for study level attachment
- PAT for patient level attachment
- REP for report level attachment
- PPS for performed procedure step level attachment
- ORD for order level attachment

Segment for patient arrived information

- empty

4. Observation Sub-Id

Segment for attachment description :

- unique key identifying a specific attachment (primary key of attachment)

Segment for patient arrived information

- empty

5. Observation Value

Contents depending on Value type of the OBX.



General remark : "" will delete all attachments with code indicated in OBX3.1

11. Observation Result Status

fixed value = O Order detail description only (no result)

End of segment group ORDER.ORDER.ORDER_DETAIL.OBSERVATION

End of segment group ORDER.ORDER_DETAIL

End of segment group ORDER